

REMARKS

Reconsideration and allowance are respectfully requested in light of the above amendments and the following remarks.

Claims 1-18, remain pending herein, and claims 19 and 20 have been added; support for claims 19 and 20 is found in the specification at least at page 4, lines 12-20, and page 5, lines 28-30. Claims 1-18 have been amended to overcome minor objections thereto or to clarify the claimed invention. No new matter has been added by any of the amendments made to the claims.

Claim 1 was objected to for minor informalities stated in the Office Action. Applicant has amended claim 1 as appropriate, and it is respectfully submitted that all objections to claim 1 have been overcome.

Claims 1-16 are rejected under 35 U.S.C. §102(e) as allegedly being anticipated by Sackner et al. (U.S. 6,551,252, B2, hereinafter "Sackner"). Claims 17 and 18 are rejected under 35 U.S.C. §103(a) as allegedly being obvious to a person of ordinary skill in the art in view of Sackner. Applicant respectfully traverses these grounds of rejection.

With regard to the rejection of Claims 1-16 under 35 U.S.C. §102(e) in view of Sackner, Applicant respectfully submits that the claimed invention is a heart beat signal wireless transmitter (20) which comprises a watch-like body (30) and a pair of detachable fastening belts (40) that are capable of being separated from and connected to the body 30, and this structure permits the body to be constructed of at least the four different

modularized structures shown in Figs, 2, 9, 12 and 15, respectively, and each modularized body can be assembled and sued together with the same pair of detachable fastening belts (40) to form a heart beat signal wireless transmitter (20).

Applicant also respectfully submits that Sackner discloses a monitoring garment comprising a shirt for the torso of an individual. The shirt comprises a plurality of inductive plethysmographic (IP) sensors particularly "as an integral part of the garment", and each IP sensor includes at least one flexible conductive loop arranged for close encirclement of the individual's torso. In addition, Sackner discloses a microprocessor unit for receiving the signals transmitted from the IP sensors.

In contrast to the claimed invention, Sackner fails to disclose or suggest a pair of detachable fastening belts (4) that are separable from the body (30). Sackner also fails to disclose or suggest that their device can be fixed on an individual's undergarment, which would provide more comfort then wearing a special shirt designed with a tight encirclement of sensors that is disclosed by Sackner.

In addition, Sackner fails to disclose or suggest the presently claimed a PC board carrying a signal transmitter inside, and a clamping means (35, 55, 65 or 45) provided on the two sides of the body, as shown in Figs. 5, 11, 14 and 17. Nor does Sackner disclose or suggest the presently claimed clamping means grips or releases the front part of a corresponding detachable fastening belt, and when gripping the corresponding detachable fastening belt

forms an electrical connection. This clamping means provides the claimed invention with a structure that permits the fastening belts to be separated from the body and convertibly connected to a different or another type of modularized body (30), for example, when the body (30) needs repair, or the cardiologist determines that a different type of monitoring body should be used for a certain patient.

In addition, Sackner also fails to disclose or suggest a pair of detachable fastening belts made (40) of a fabric material having a waterproof property of which the front part is made of a conductive fabric and formed in electrical connection with the PC board (32) inside the body (30), after the pair of fastening belts has been connected to the two sides of the body 30 separately by the clamping means (35, 55, 65 or 45). In other words, each one of the pair of detachable fastening belts respectively function as a positive electrode or a negative electrode to the PC board (32) so as to enable a precise detection of the heartbeat signal by having the conductive fabric (41) of each detachable fastening belt (40) be arranged in close contact with the user's skin.

In addition, the fastening belts in the presently claimed invention may also have a nonconductive that permits attachment to an undergarment through the clamping means. This structure, which is not disclosed or suggest by Sackner, provides the advantage of being removable to allow the garment to be washed for reuse after separating the fastening belts from the undergarment.

In contrast, the IP sensors in Sackner are an integral part of

the garment, meaning that the shirt of the Sackner patent cannot be washed for reuse. Sackner discloses sensor band using an elastic material that is not used as a conductive or non-conductive fabric of an electrode.

Moreover, Sackner shows a tightening device (8) in Fig. 1 and Velcro strips (32) in Fig. 2 and 3 which are a different structure than the claimed detachable fastening belts, and do not function as an electrode. The only purpose of the tightening device and Velcro strips is to be snugly fastened on to the user's body via the tightening device (8) or Velcro strips (32). Thus, Sackner fails to disclose the detachable fastening belts having the structure and function as in the presently claimed invention.

For at least the above reasons, Sackner fails to disclose to least the above-mentioned elements of the presently claimed invention. Therefore, none of the present claims are anticipated by Sackner. Reconsideration and withdrawal of this ground of rejection are respectfully submitted.

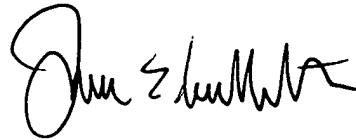
With regard to the rejection of claims 17 and 18 under 35 U.S.C. §103(a) in view of Sackner, Applicant respectfully submits that these claims would not have been obvious to an artisan at the time of invention as Sackner fails to provide any disclosure, suggestion, or provide any reason to modify such that the connections for the claimed detachable fastening belt of claims 17 and 18 would have been obvious, at least for the reason that Sackner fails to disclose or suggest a detachable fastening belt. Applicants also refer to the above traversal of the rejection under

35 U.S.C. §102(e) in support of Applicant's position that none of the present claims would have been obvious.

For all the foregoing reasons, Applicants respectfully submit that all grounds of objection and rejection have been overcome. A Notice of Allowance is respectfully requested as soon as possible.

If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below.

Respectfully submitted,



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